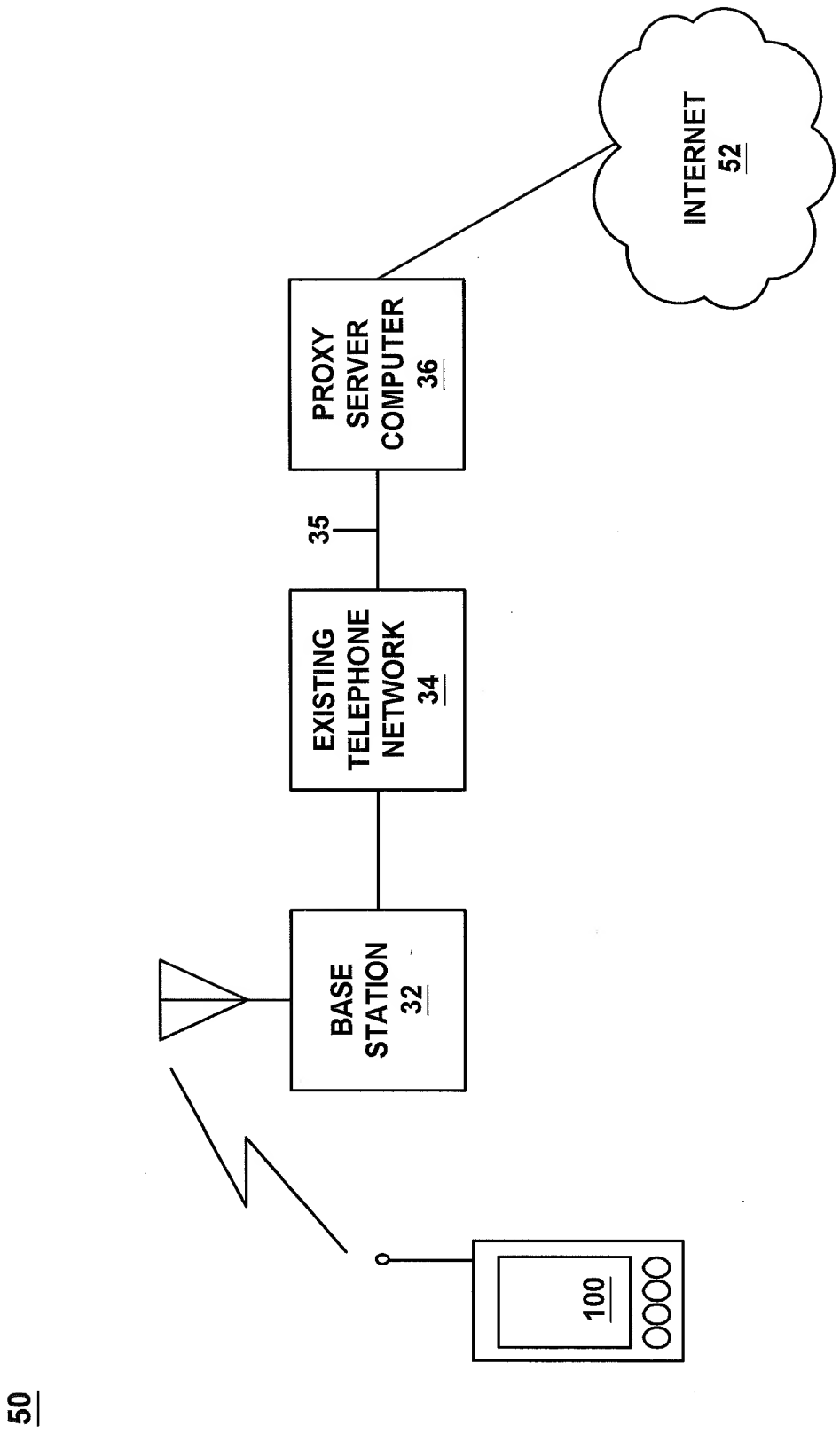
50
100
BASE STATION 32
EXISTING TELEPHONE NETWORK 34
35
PROXY SERVER COMPUTER 36
INTERNET 52

FIGURE 1

51A

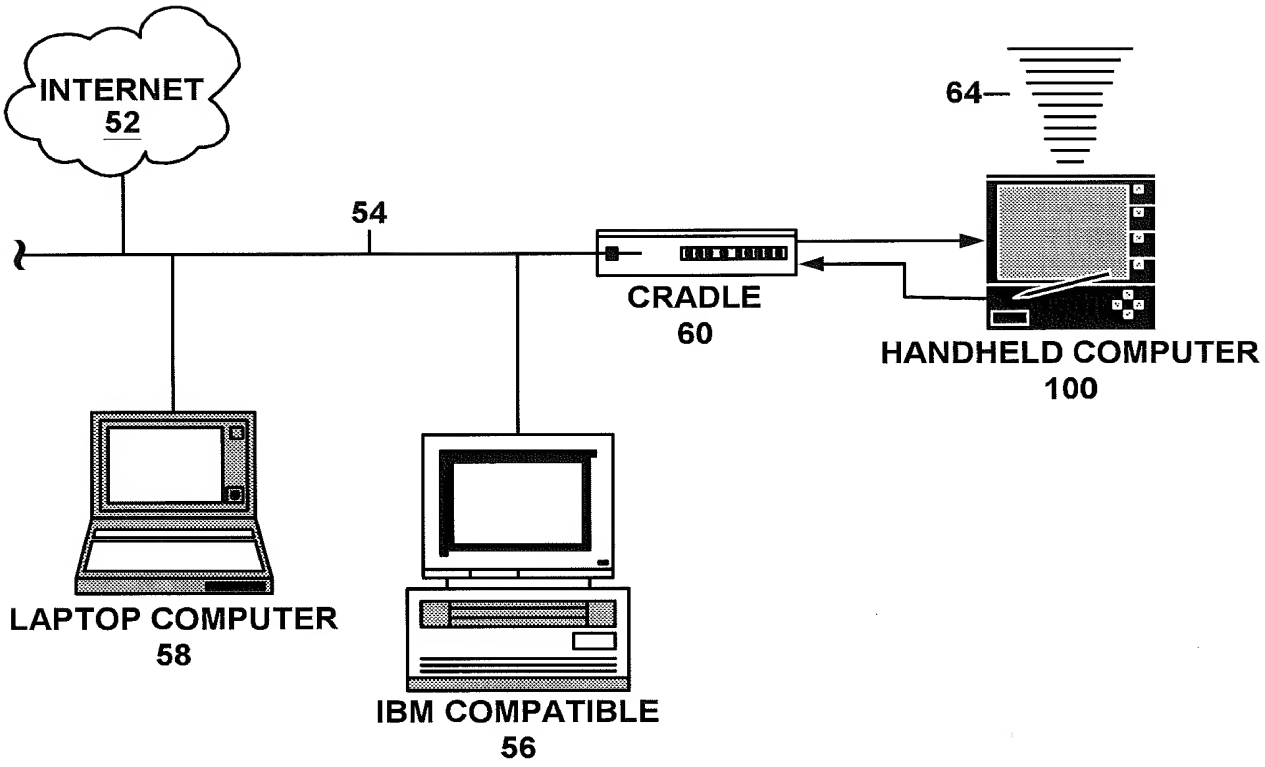

FIGURE 2A

51B

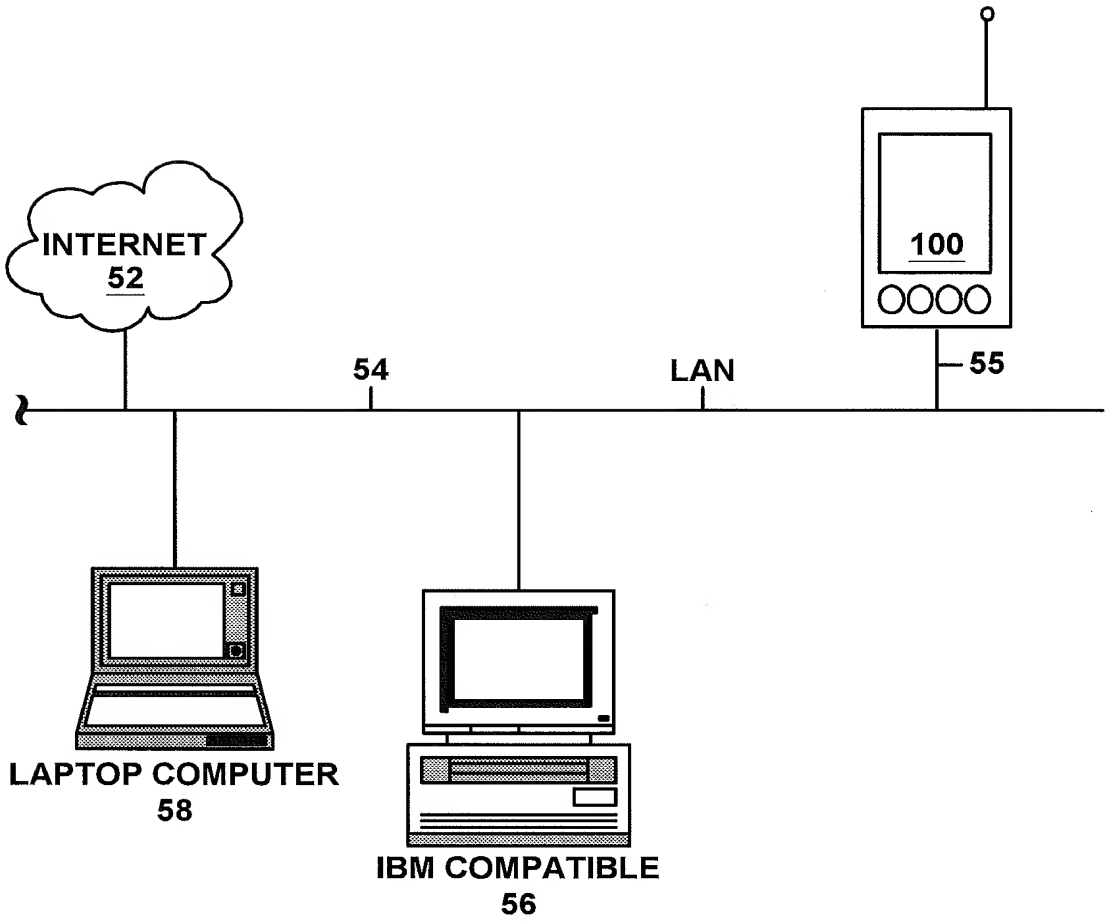

FIGURE 2B

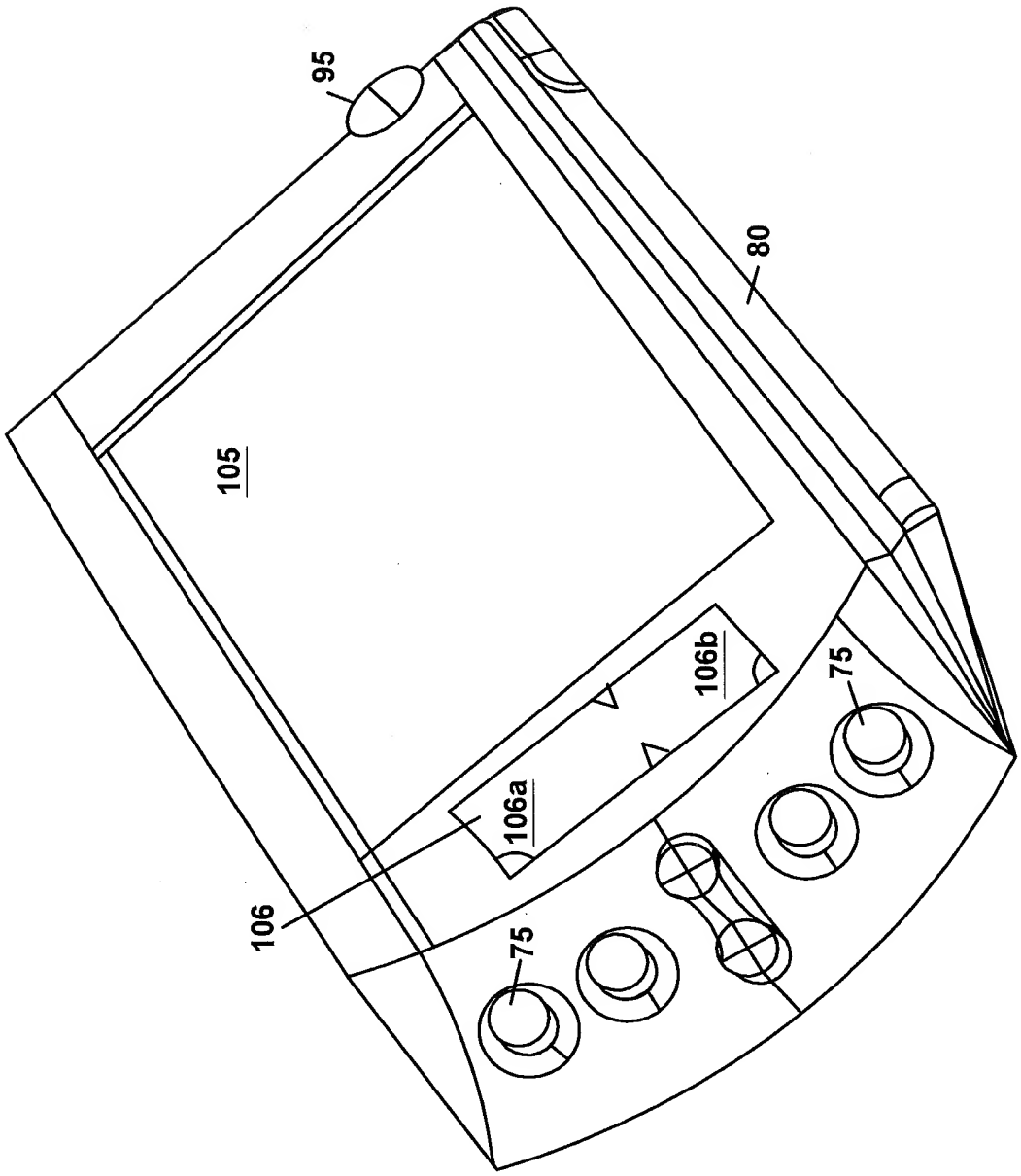

FIGURE 3

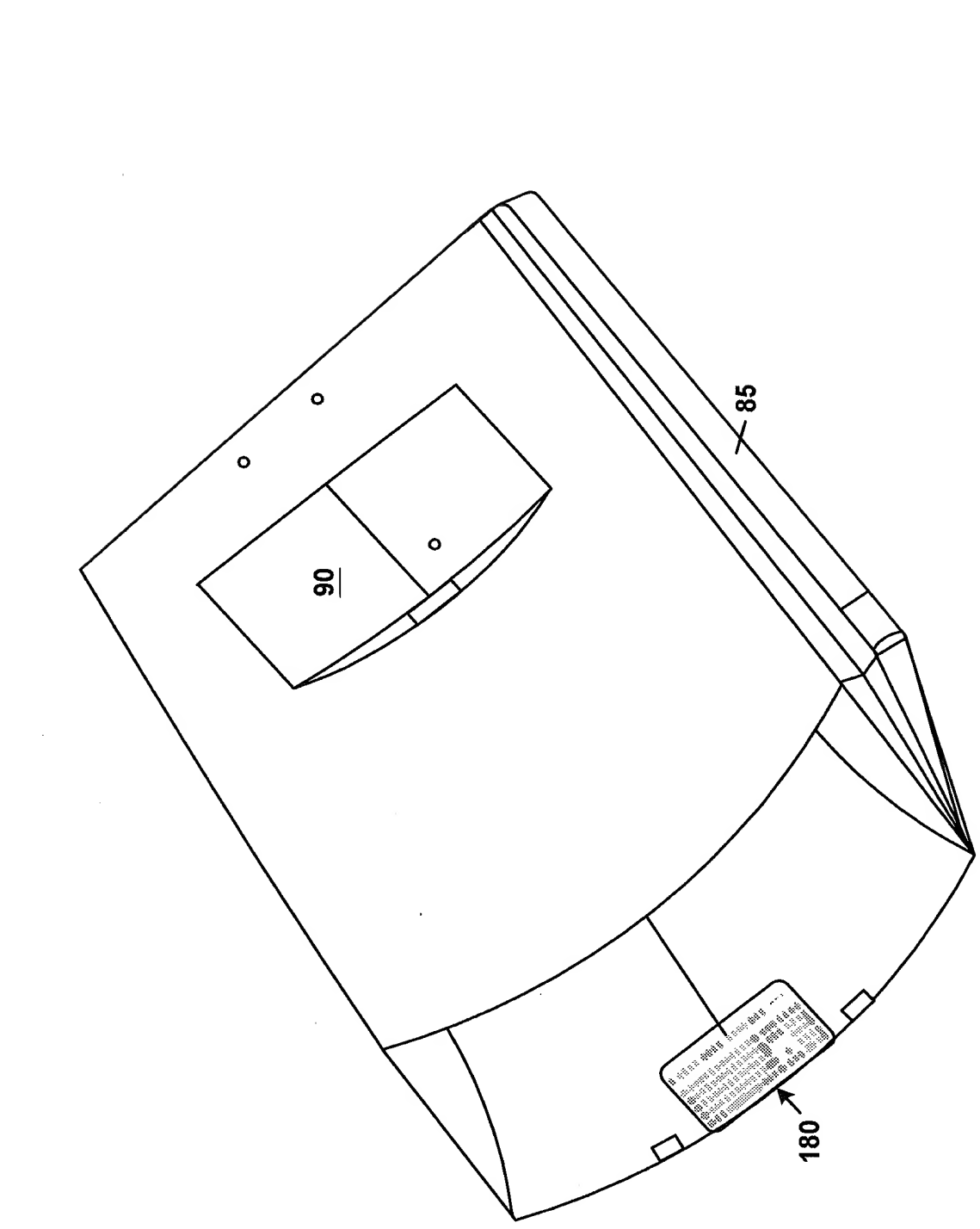

FIGURE 4

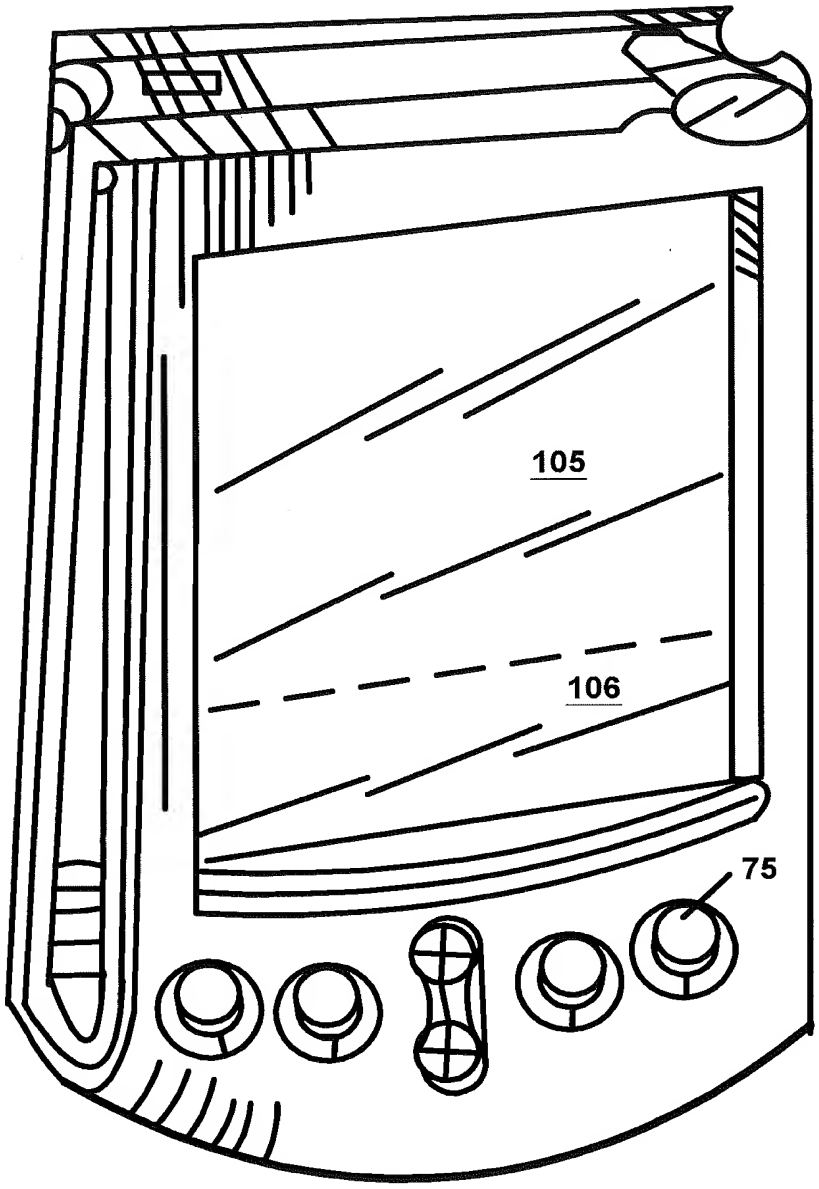

FIGURE 5

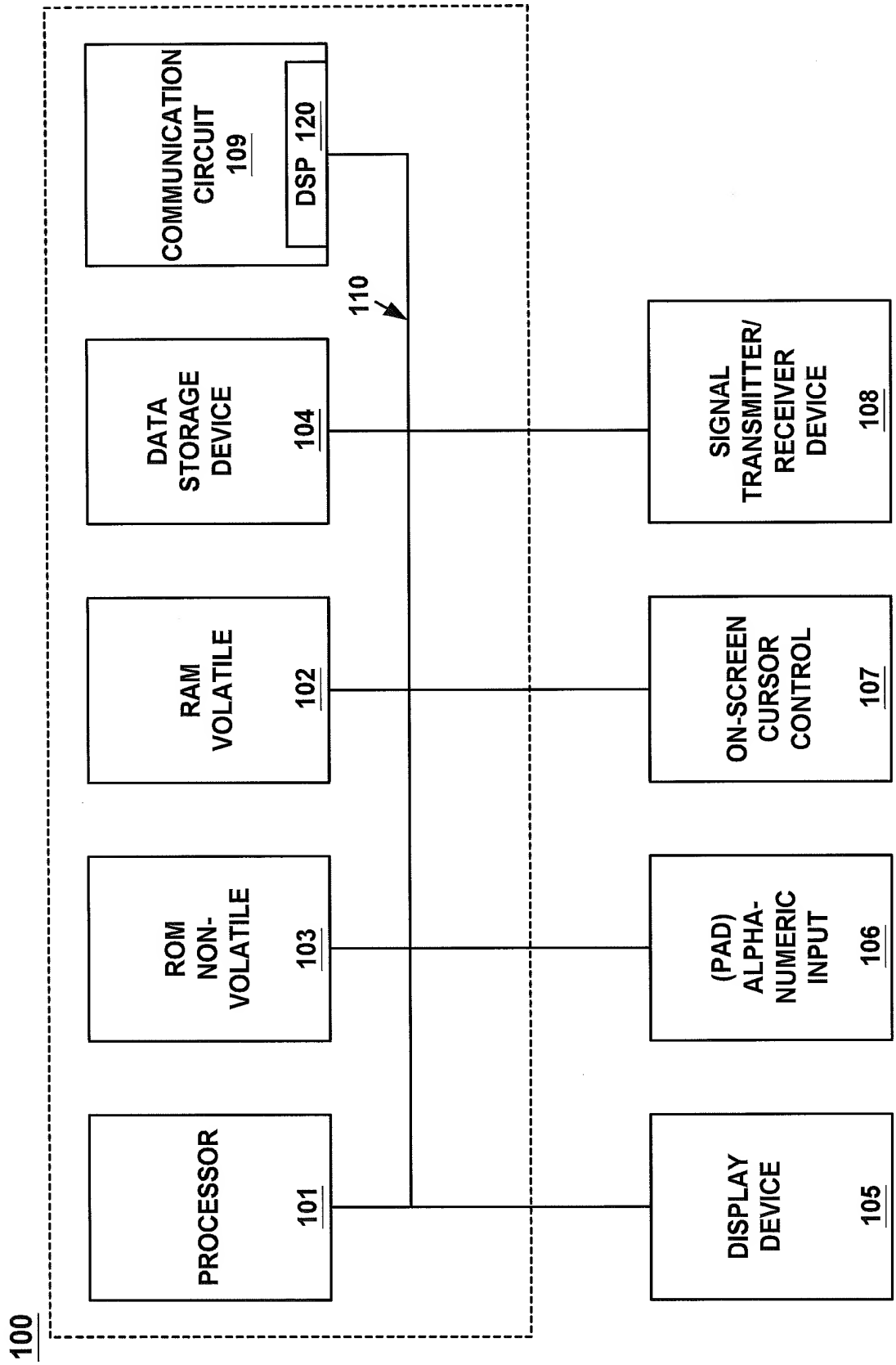
100
PROCESSOR
101
ROM
NON-
VOLATILE
103
RAM
VOLATILE
102
DATA
STORAGE
DEVICE
104
COMMUNICATION
CIRCUIT
109
DSP 120
110
DISPLAY
DEVICE
105
(PAD)
ALPHA-
NUMERIC
INPUT
106
ON-SCREEN
CURSOR
CONTROL
107
SIGNAL
TRANSMITTER/
RECEIVER
DEVICE
108

FIGURE 6

60

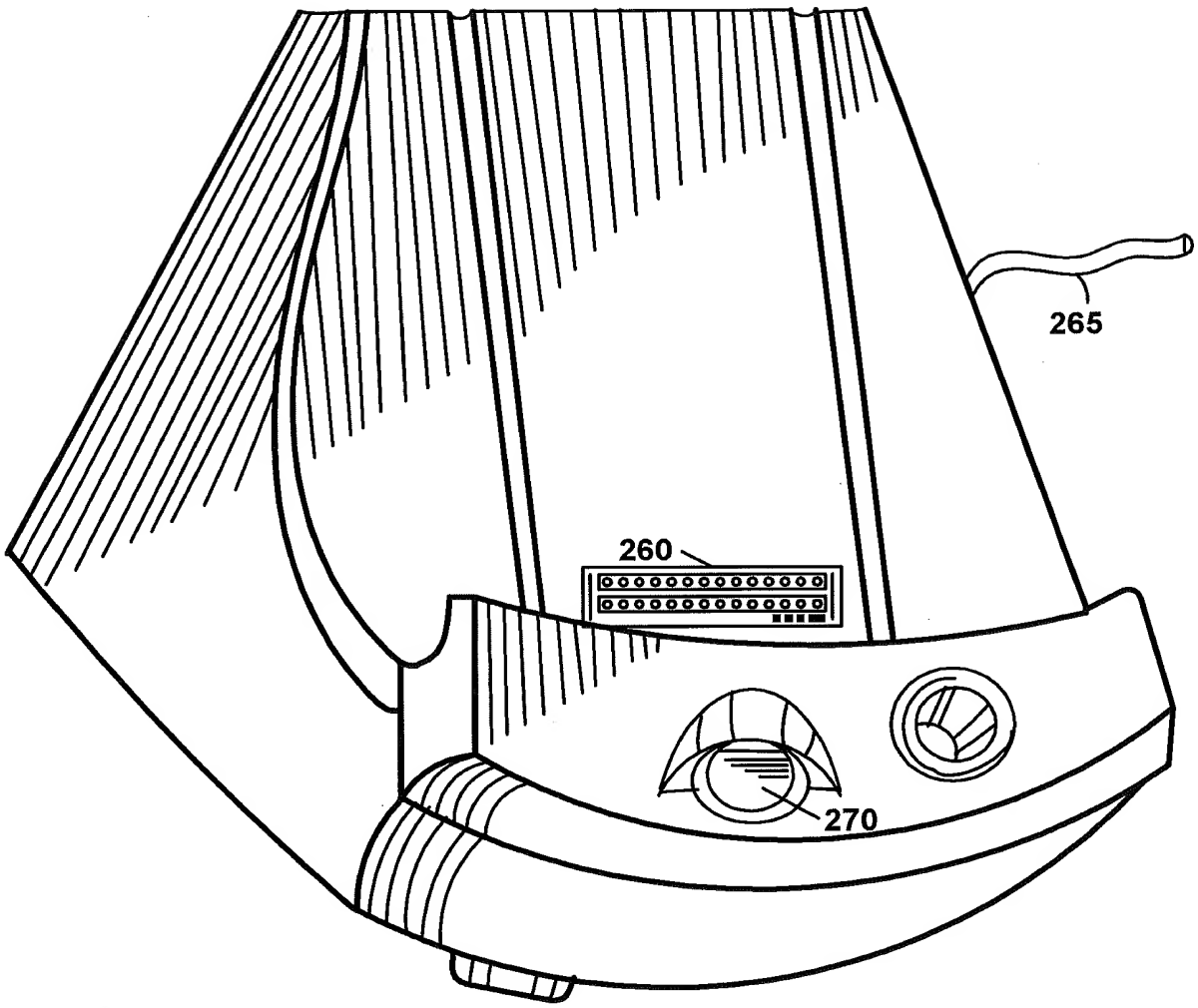

FIGURE 7

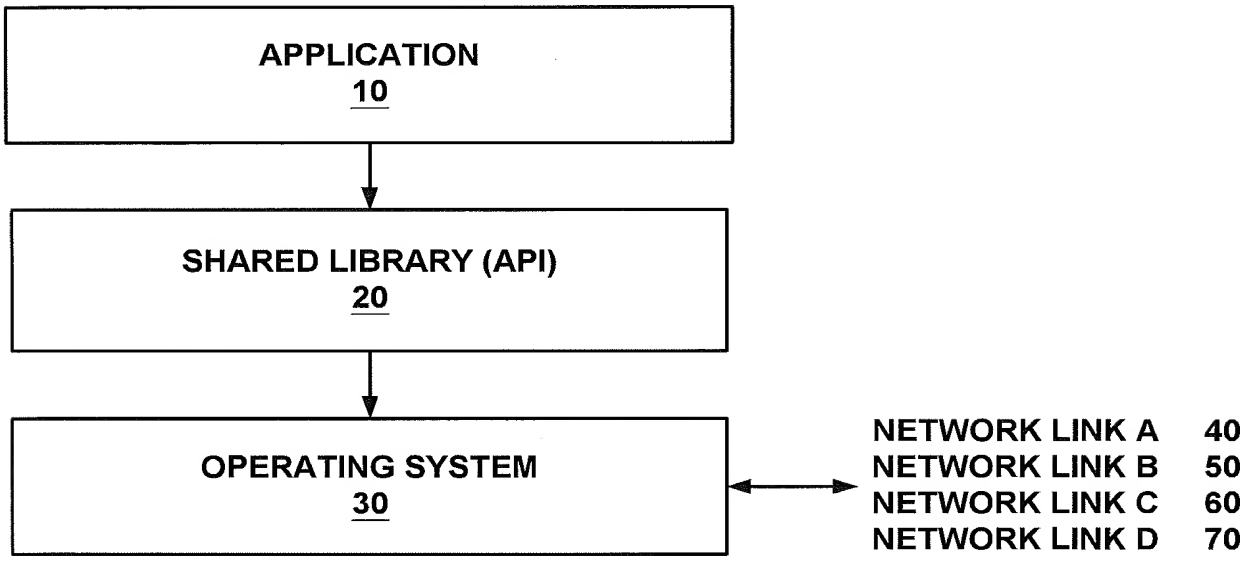
APPLICATION
10
SHARED LIBRARY (API)
20
OPERATING SYSTEM
30
NETWORK LINK A 40
NETWORK LINK B 50
NETWORK LINK C 60
NETWORK LINK D 70

FIGURE 8

NETWORK LINK	ALTERNATIVE NETWORK LINK DESIGNATION
NETWORK LINK A 40	NETWORK LINK B, NETWORK LINK D, NETWORK LINK C 40A
NETWORK LINK B 50	NETWORK LINK C 50A
NETWORK LINK C 60	NETWORK LINK A, NETWORK LINK B, NETWORK LINK D 60A
NETWORK LINK D 70	NETWORK LINK C, NETWORK LINK A 70A

FIGURE 9

NETWORK LINK	ALTERNATIVE NETWORK LINK DESIGNATION
NETWORK LINK A 140	NETWORK LINK B 140A
NETWORK LINK B 150	NETWORK LINK A 150A
NETWORK LINK C 160	NETWORK LINK D 160A
NETWORK LINK D 170	NETWORK LINK C 170A

NETWORK LINK	ALTERNATIVE NETWORK LINK DESIGNATION
NETWORK LINK A 240	NETWORK LINK C 240A
NETWORK LINK B 250	NETWORK LINK A 250A
NETWORK LINK C 260	NETWORK LINK D 260A
NETWORK LINK D 270	NETWORK LINK A 270A

FIGURE 10

200

NETWORK LINK	ALTERNATIVE NETWORK LINK DESIGNATION
NETWORK LINK A 140	NETWORK LINK B 140A
NETWORK LINK B 150	NETWORK LINK A 150A
NETWORK LINK C 160	NETWORK LINK D 160A
NETWORK LINK D 170	NETWORK LINK C 170A

300

10

NETWORK LINK	ALTERNATIVE NETWORK LINK DESIGNATION
NETWORK LINK A	NETWORK LINK B
NETWORK LINK B 150	NETWORK LINK A 150A
NETWORK LINK C	NETWORK LINK D
NETWORK LINK D	NETWORK LINK C

400

20

NETWORK LINK	ALTERNATIVE NETWORK LINK DESIGNATION
NETWORK LINK A 140	NETWORK LINK B 140A
NETWORK LINK B	NETWORK LINK A
NETWORK LINK C	NETWORK LINK D
NETWORK LINK D	NETWORK LINK C

FIGURE 11

500

NETWORK LINK	ALTERNATIVE NETWORK LINK DESIGNATION
NETWORK LINK A 240	NETWORK LINK C 240A
NETWORK LINK B 250	NETWORK LINK A 250A
NETWORK LINK C 260	NETWORK LINK D 260A
NETWORK LINK D 270	NETWORK LINK A 270A

600

110

NETWORK LINK	ALTERNATIVE NETWORK LINK DESIGNATION
NETWORK LINK A	NETWORK LINK C
NETWORK LINK B	NETWORK LINK A
NETWORK LINK C 260	NETWORK LINK D 260A
NETWORK LINK D	NETWORK LINK A

700

120

NETWORK LINK	ALTERNATIVE NETWORK LINK DESIGNATION
NETWORK LINK A	NETWORK LINK C
NETWORK LINK B	NETWORK LINK A
NETWORK LINK C	NETWORK LINK D
NETWORK LINK D 270	NETWORK LINK A 270A

FIGURE 12

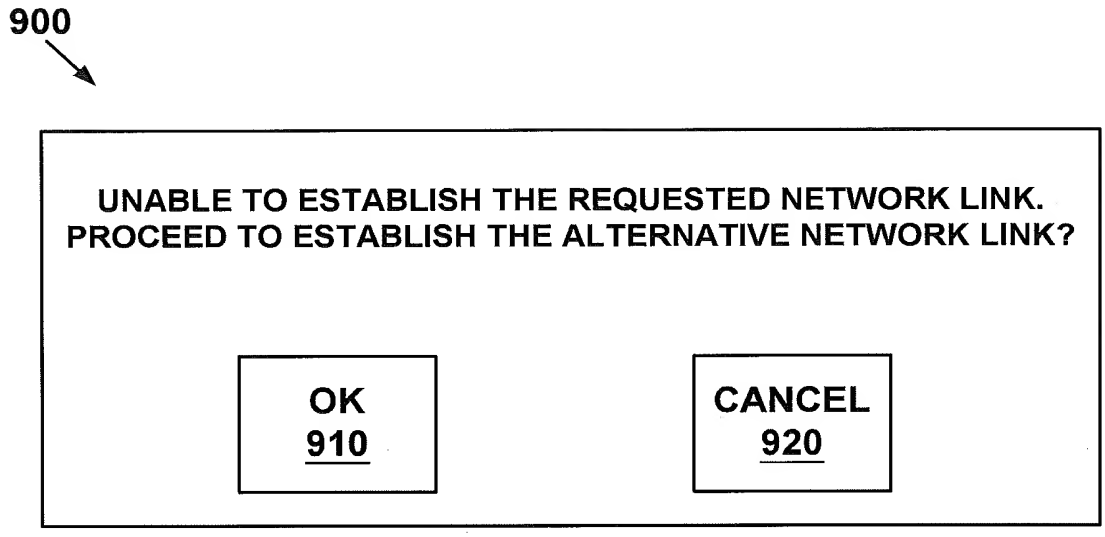
900
UNABLE TO ESTABLISH THE REQUESTED NETWORK LINK.
PROCEED TO ESTABLISH THE ALTERNATIVE NETWORK LINK?
OK
910
CANCEL
920

FIGURE 13

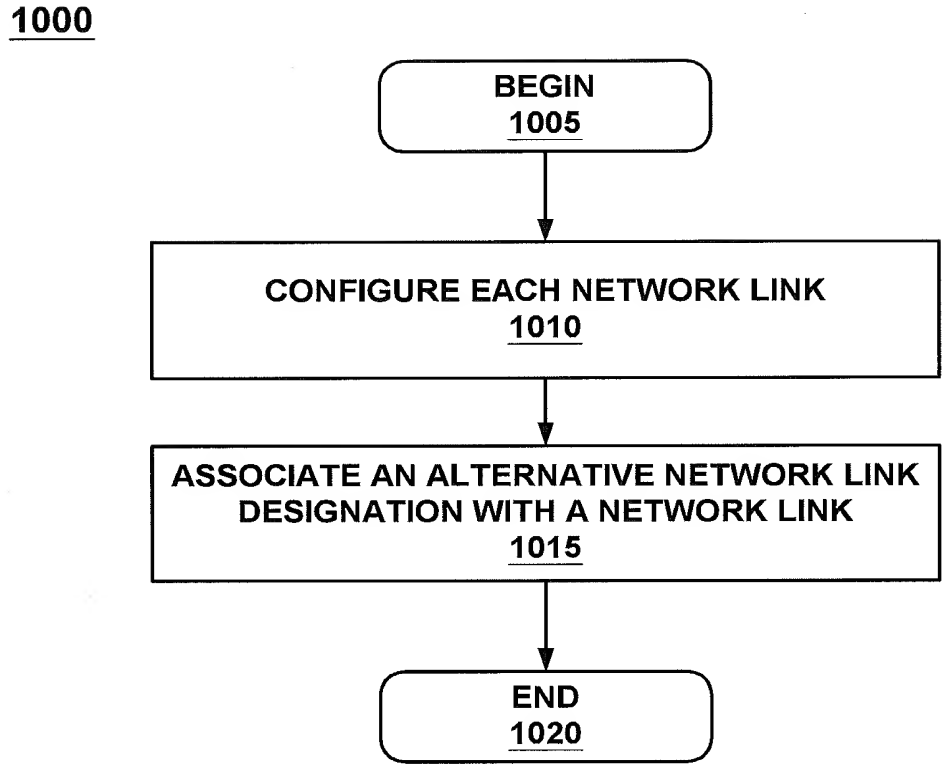
1000
BEGIN
1005
CONFIGURE EACH NETWORK LINK
1010
ASSOCIATE AN ALTERNATIVE NETWORK LINK DESIGNATION WITH A NETWORK LINK
1015
END
1020

FIGURE 14

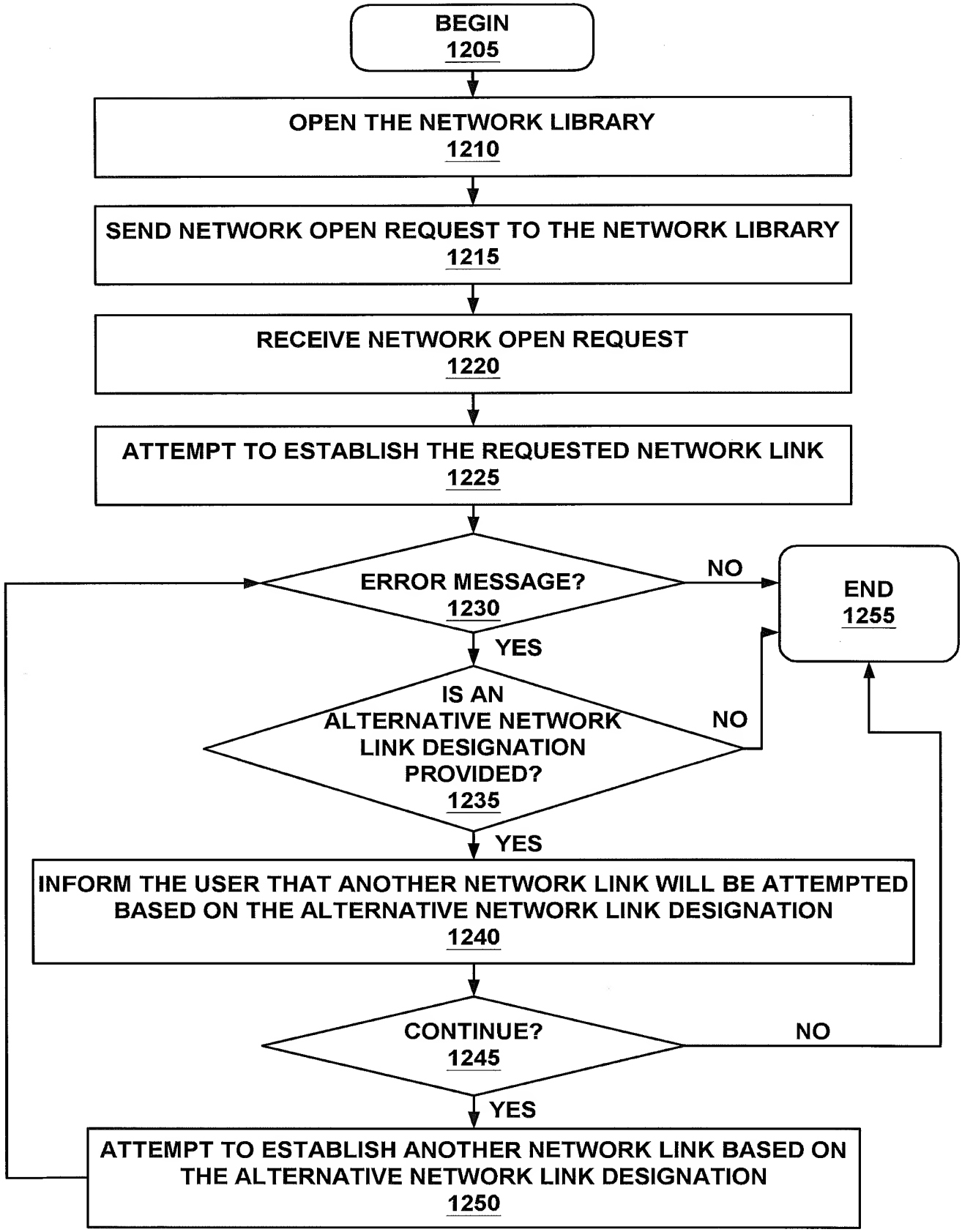
BEGIN
1205
OPEN THE NETWORK LIBRARY
1210
SEND NETWORK OPEN REQUEST TO THE NETWORK LIBRARY
1215
RECEIVE NETWORK OPEN REQUEST
1220
ATTEMPT TO ESTABLISH THE REQUESTED NETWORK LINK
1225
ERROR MESSAGE?
1230
NO
YES
END
1255
IS AN ALTERNATIVE NETWORK LINK DESIGNATION PROVIDED?
1235
NO
YES
INFORM THE USER THAT ANOTHER NETWORK LINK WILL BE ATTEMPTED BASED ON THE ALTERNATIVE NETWORK LINK DESIGNATION
1240
CONTINUE?
1245
NO
YES
ATTEMPT TO ESTABLISH ANOTHER NETWORK LINK BASED ON THE ALTERNATIVE NETWORK LINK DESIGNATION
1250

FIGURE 15